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NOTICE OF ALLOWANCE AND FEE(S) DUE

22852

7590

08/14/2008

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413

EXAMINER				
WRIGHT, DIRK				
ART UNIT	PAPER NUMBER			

3681 DATE MAILED: 08/14/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551.187	07/18/2006	Frank Moeller	02804.0073	1812

TITLE OF INVENTION: FOUR BRANCH DIFFERENTIAL TRANSMISSION SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/14/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

	ted below or directed of					parate "FEE ADDRESS" for
		lock 1 for any change of address)	F	ee(s) Transmittal. Th pers. Each addition:	is certificate cannot be used	for domestic mailings of the I for any other accompanying nent or formal drawing, must
901 NEW YOR	HENDERSON, FA K AVENUE, NW	4/2008 ARABOW, GARR	ETT & DUNNEFS S a tu	hereby certify that the	rtificate of Mailing or Trainis Fee(s) Transmittal is bein with sufficient postage for flastop ISSUE FEE addres TO (571) 273-2885, on the	nsmission ng deposited with the United irst class mail in an envelope as above, or being facsimile date indicated below.
WASHINGTON	N, DC 20001-4413					(Depositor's name)
						(Signature)
			L			(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO)R	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,187 TITLE OF INVENTION	07/18/2006 N: FOUR BRANCH DIF	FERENTIAL TRANSMI	Frank Moeller SSION SYSTEMS		02804.0073	1812
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nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/14/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	7		
WRIGH	IT, DIRK	3681	475-005000			
"Fee Address" inc PTO/SB/47; Rev 03- Number is required 3. ASSIGNEE NAME A	AND RESIDENCE DAT.	" Indication form ned. Use of a Customer A TO BE PRINTED ON	registered attorney or agent) and the names of up to			
recordation as set for (A) NAME OF ASSI	th in 37 CFR 3.11. Com	pletion of this form is NO	T a substitute for filing : (B) RESIDENCE: (CI	n assignment. ΓΥ and STATE OR 0	COUNTRY)	group entity Government
			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).			
	atus (from status indicate ns SMALL ENTITY stat		☐ h. Applicant is no l	onger claiming SMA	LL ENTITY status. See 37	CFR 1 27(g)(2)
NOTE: The Issue Fee ar	nd Publication Fee (if req		d from anyone other tha			the assignee or other party in
				Date		
Typed or printed name				Registration I	No	
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LLP			ART UNIT	PAPER NUMBER
901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			3681 DATE MAILED: 08/14/200	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 331 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 331 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	10/551,187	MOELLER, FRANK				
Notice of Allowability	Examiner	Art Unit				
	Dirk Wright	3681				
	Dirk vvrigit	3001				
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is	in this application. If not include munication will be mailed in due	ed course. THIS			
1. This communication is responsive to						
2. The allowed claim(s) is/are <u>1-9</u> .						
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the:	• . , .) or (f).				
1. Certified copies of the priority documents have						
2. Certified copies of the priority documents have						
3. Copies of the certified copies of the priority do	cuments have been receiv	red in this national stage applica	tion from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew (PTO-948) attached				
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of	Informal Patent Application				
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),				
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No	o./Mail Date 's Amendment/Comment				
Paper No./Mail Date <u>09292005</u>	r. ∟ Examiller					
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	_	's Statement of Reasons for Allo	wance			
Dirk Wright	9.					
/Dirk Wright/ Primary Examiner, Art Unit 3681						
, —						

Art Unit: 3681

Allowable Subject Matter

Claims 1-9 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art does not anticipate nor render obvious the claimed subject matter of:

A four branch differential transmission system comprising:

a first shaft and a second shaft, which constitute the input and output shafts;

a third shaft connected to a first variator arranged to increase or decrease its speed and;

a fourth shaft connected to a second variator arranged to increase or decrease its speed;

the four shafts being connected together by a spur gear compound epicyclic gearset including a plurality of toothed gearwheels,

wherein the compound epicyclic gearset comprises first and second epicyclic gearsets, the first epicyclic gearset being of positive type and comprising a first sun wheel and a second sun wheel in mesh with a respective set of first and second planet wheels each first planet wheel being connected to rotate with a respective second planet wheel about a respective common planet shaft, the planet shafts being connected to a common planet carrier, the second epicyclic gearset being of negative type and comprising the first sun wheel and a third sun wheel, the third sun wheel being in mesh with a set of third planet wheels, each of which is connected to rotate with a respective first and second planet wheel about a respective planet shaft, the first and third planet wheels or the first and second planet wheels of each connected set of planet wheels being of different diameter and being connected together to constitute a stepped composite planet wheel.

No particular single feature of the claim renders the claim as a whole patentable.

Only the claim taken as a whole combination is deemed new and unobvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art Discussed

The examiner has considered the references cited by the applicant in the Information Disclosure Statement filed September 29, 2005.

The references cited by the examiner are deemed pertinent to applicant's disclosure.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dirk Wright whose telephone number is 571-272-7098. The examiner can normally be reached on Monday through Friday, 8AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 3681

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dirk Wright/ Primary Examiner Art Unit 3681

DW Saturday, August 09, 2008